

## ABSTRACT

Method and device for secure wireless transmission  
5 of information from a sender to a receiver. A sending  
device is arranged for obtaining a message, a sender  
identity and a receiver identity and includes encryption  
means for encrypting the message to be transmitted. A  
transmission channel is established from the sending  
10 device to a receiving device for transmitting the  
encrypted information to the receiving device. A secure  
note is used for defining the receiving device. In the  
receiving device, there is arranged decryption means for  
decrypting the information and display means for pre-  
15 senting the message to the receiver. Optionally, the  
receipt of the message is verified to the sender. Pre-  
ferably, the message is encrypted in the sending device  
by a symmetric key and decrypted by the receiving device  
by the same key. The symmetric key is added to the  
20 message after encryption with the symmetric key and the  
symmetric key is encrypted by a public key belonging to  
the receiver, whereupon the already encrypted symmetric  
key is encrypted by a private key belonging to the  
sender. In the receiving device, the symmetric key is  
25 decrypted by the public key of the sender in the  
receiving device and by the private key of the receiver,  
whereupon the symmetric key is used for decrypting the  
message. The sender and the receiver identifies them-  
selves to the sending device and the receiving device by  
30 verification means. Preferably, a random seed for gene-  
rating encryption key is obtained by the verification  
means during the identification step and/or the message  
step. Preferably, the sending device is an Anoto pen.